



## Transfer Guide

### Associate of Engineering with Core 42 BS-Electrical & Computer Engineering



MCC—Fall Semester 1		MCC—Spring Semester 1		MCC—Summer Semester 1	
	Hrs		Hrs		Hrs
CHEM 111 General Coll Chem I	5	ENGL 102 Composition & Reading II	3		
ENGL 101 Composition & Reading I	3	MATH 190 Analytic Geometry & Calculus II	5		
AE Humanities & Fine Arts Course*	3	PHYS 220 Engineering Physics I	5		
MATH 180 Analytic Geometry & Calculus I	5	AE History & Social Science Course**	3		
		ENGR 101 Intro to the Engineering Profession	1		

MCC—Fall Semester 2		MCC—Spring Semester 2		MCC—Summer Semester 2	
	Hrs		Hrs		Hrs
COMM 100 Fundamentals of Speech	3	Core 42 Humanities/Arts Requirement	3		
MATH 210 Analytic Geometry & Calculus III	5	ETEC 152 Engineering Graphics & CADD I	5		
PHYS 221 Engineering Physics II	5	MATH 230 Differential Equations	3		
Core 42 Humanities/Arts Requirement*	3	AE History and Social Science Course***	3		

MCC—Fall Semester 3		UMKC—Spring Semester 3		UMKC—Summer Semester 3	
	Hrs		Hrs		Hrs
CSIS 123 Programming Fundamentals	3	ECE 226/227 Logic Design/Lab^	4		
ENGR 233 Circuit Analysis I	3	ECE 341R Applied Engineering Analysis II^^	3		
ENGR 234 Circuit Analysis Lab	1	ME 131 Engineering Graphics	1		
Core 42 Social/Behavioral Sciences Requirement	3	ECE 348 Discrete Math & Probability	3		
Core 42 Elective	2				

UMKC—Fall Semester 4		UMKC—Spring Semester 4		UMKC—Summer Semester 4	
	Hrs		Hrs		Hrs
ECE 334 Semiconductors & Devices	3	ECE 302/303 Electromag Waves & Fields/Lab	4		
ECE 376/377 Circuit Theory II/Lab	4	ECE 330/331 Electronic Circuits/Lab	4		
ECE 380/381 Signals & Systems/Lab	4	ECE 428R/429 Embedded Systems/Lab	4		
ECE 426/427 Microcomputer Architecture/Lab	3	ECE 466 Power Systems I	3		

UMKC—Fall Semester 5		UMKC—Spring Semester 5		UMKC—Summer Semester 5	
	Hrs		Hrs		Hrs
ECE 358 or 474 Control or Comm Systems	3	ECE 403 Senior Design II	2		
ECE 402 Senior Design I	3	ECE 228/229 Intro to Computer Design	3		
ECE 486 Pattern Recognition	3	CS 304 Ethics and Professionalism	3		
ECE Elective 400 level	3	ECE Elective 400 level	3		
		ECE Elective 400 level	3		

^Reverse transfer this course back to MCC in place of Statics for the Associate of Engineering degree.

^^Reverse transfer this course back to MCC in place of an engineering elective for the Associate of Engineering degree.

\*Select from the following courses to meet these requirements: ART 108, ART 150, ART 151, ENGL 214, ENGL 216, ENGL 240, ENGL 254, ENGL 262, HIST 133, HIST 134, MUSI 108, MUSI 160, PHIL 100, THEA 106

\*\*Select from the following courses to meet the requirement: HIST 120, HIST 121, POLS 136.

\*\*\*Select from the following courses to meet the requirement: HIST 120, HIST 121, ECON 210, ECON 211, POLS 136. Must have a different designator than the first Social/Behavioral Sciences.

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